



PATENT
Atty. Dkt. AMAT/5620.C1/DSM/LOW KJW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Xu, et al.

Serial No.: 10/718,887

Confirmation No.: Unknown

Filed: November 21, 2003

For: A Method of Eliminating
Photoresist Poisoning in
Damascene Applications

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Group Art Unit: Unknown

Examiner: Unknown

CERTIFICATE OF MAILING
37 CFR 1.8

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The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

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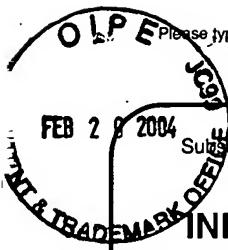
The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/5620.C1/BKH.

Respectfully submitted,



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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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Application Number	10/718,887
Filing Date	NOVEMBER 21, 2003
First Named Inventor	PING XU, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/5620.C1/DSM/LOW K/JW

Submission Date

February 6, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	US-6,534,397 B1	03/18/2003	Okada, et al.	
	A2	US-6,528,426 B1	03/04/2003	Olsen, et al.	
	A3	US-6,495,448 B1	12/17/2002	Lee	
	A4	US-6,489,238 B1	12/03/2002	Tsui	
	A5	US-6,436,824 B1	08/20/2002	Chooi, et al.	
	A6	US-6,429,121 B1	08/06/2002	Hopper, et al.	
	A7	US-6,410,437 B1	06/25/2002	Flanner, et al.	
	A8	US-6,372,661 B1	04/15/2002	Lin, et al.	
	A9	US-6,303,523 B2	10/16/2001	Cheung, et al.	
	A10	US-6,159,871	12/12/2000	Loboda, et al.	
	A11	US-6,147,009	11/14/2000	Grill, et al.	
	A12	US-6,140,226	10/31/2000	Grill, et al.	
	A13	US-6,114,259	09/05/2000	Sukharev, et al.	
	A14	US-6,107,192	08/22/2000	Subrahmanyam, et al.	
	A15	US-6,103,456	08/15/2000	Tobben, et al.	
	A16	US-5,926,437	07/20/1999	Forbes, et al.	
	A17	US-5,821,168	10/13/1998	Jain	
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	B1	0 725 440 A2	08/07/1996	EP		
	B2	99/33102	07/01/1998	WIPO		
	B3	06-204191	07/22/1994	JP		X
	B4					
	B5					

Examiner

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Substitute for form 1449A/PTO		Application Number	10/718,887		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	NOVEMBER 21, 2003		
(Use as many sheets as necessary)		First Named Inventor	PING XU, ET AL.		
		Group Art Unit	UNKNOWN		
		Examiner Name	UNKNOWN		
		Attorney Docket Number	AMAT/5620.C1/DSM/LOW K/JW		
Sheet	2	of	4	Submission Date	February 6, 2004

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		Number-Kind Code ² (if known)			
A19		US-5,801,098	09/01/1998	Fiordalice, et al.	
A20		US-5,780,163	07/14/1998	Camilletti, et al.	
A21		US-5,741,626	04/21/1998	Jain, et al.	
A22		US-5,726,097	03/10/1998	Yanagida	
A23		US-5,711,987	01/27/1998	Bearinger, et al.	
A24		US-5,679,413	10/21/1997	Petrmichl, et al.	
A25		US-5,660,682	08/26/1997	Zhao, et al.	
A26		US-5,627,105	05/06/1997	Delfino, et al.	
A27		US-5,618,619	04/08/1997	Petrmichl, et al.	
A28		US-5,593,741	01/14/1997	Ikeda	
A29		US-5,554,570	09/10/1996	Maeda, et al.	
A30		US-5,525,550	06/11/1996	Kato	
A31		US-5,451,263	09/19/1995	Linn, et al.	
A32		US-5,427,621	06/27/1995	Gupta	
A33		US-5,423,941	06/13/1995	Komura, et al.	
A34		US-5,409,543	04/25/1995	Panitz, et al.	
A35		US-5,362,526	11/08/1994	Wang, et al.	
A36		US-5,314,724	05/24/1994	Tsukune, et al.	

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B10					

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Substitute for form 1449A/PTO		Application Number	10/718,887
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Filing Date	NOVEMBER 21, 2003
		First Named Inventor	PING XU, ET AL.
		Group Art Unit	UNKNOWN
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/5620.C1/DSM/LOW K/JW
		Sheet	3
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		Number-Kind Code ² (if known)				
	B11					
	B12					
	B13					
	B14					
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Substitute for form 1449B/PTO		Application Number	10/718,887	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	NOVEMBER 21, 2003	
(Use as many sheets as necessary)		First Named Inventor	PING XU, ET AL.	
		Group Art Unit	UNKNOWN	
		Examiner Name	UNKNOWN	
		Attorney Docket Number	AMAT/5620.C1/DSM/LOW K/JW	
Sheet	4	of	4	Submission Date
February 6, 2004				

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	C1	SWOPE, ET AL. "Improvement of Adhesion Properties of Fluorinated Silica Glass Films by Nitrous Oxide Plasma Treatment" J. Electrochemical Society 144(7) July 1977, pp. 2259-2564.		
	C2	TAKEISHI, ET AL. "Stabilizing Dielectric Constants of Fluorine-Doped SiO ₂ Films by N ₂ O-Plasma Annealing, J. Electrochemical Society 143(1) January 1996, pp. 381-384.		
	C3	OGAWA, ET AL. "Novel ARC Optimization Methodology for KrF Excimer Laser Lithography at Low K1 Factor", Proceedings of the SPIE Optical/Laser Microlithography V, Vol. 1674 1992, pp. 362-375.		
	C4	DIJKSTRA, ET AL. "Optimization of Anti-Reflection Layers for Deep UV Lithography", Proceedings of SPIE Optical/Laser Microlithography VI, Vol. 1927 1993, pp. 275-286.		

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